

ABSTRACT

A method and system for compensating for wheel wear uses position and/or speed information from an independent positioning system to measure some distance over which the train has traveled. Wheel rotation information and/or distance and speed from a wheel sensor over the distance is also collected. The wheel rotation information and distance and/or speed information are then used to determine the size of the train wheels and/or a correction factor that can be used to correct the information from the wheel sensor for wheel wear. The method is performed periodically to correct for changes in wheel size over time due to wear so that the wheel rotation information can be used to determine train position and speed in the event of a positioning system failure.